MONSTER® THX™ SELECT™ CERTIFIED SPEAKERS OWNER'S GUIDE

Monster THX Certified Select Tower Speaker 200	THX SL200-TWR
Monster THX Certified Select Monitor Speaker 100	THX SL100-MTR
Monster THX Certified Select Monitor Speaker 200	THX SL200-MTR
Monster THX Certified Select Dipole Surround Speaker 100	THX SL100-DSR
Monster THX Certified Select Tower Bass Module 200	THX SL200-PSM
Monster THX Certified Select Subwoofer 200	THX SL200-SW
Monster THX Certified Select Speaker Stand 100	THX SL-STAND 100
Monster THX Certified Select Speaker Stand 200	THX SL-STAND 200

For Serious Home Theater™

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IMPORTANT SAFETY PRECAUTIONS FOR MONSTER® THX™ SELECT™ CERTIFIED POWERED SUBWOOFERS AND BASS MODULES

Please read and observe the following safety points at all times.

⚠ **WARNING – Power Sources**

Do not plug your Monster THX Select Certified Powered Subwoofer/Bass Module into a power outlet that differs from what it was designed for. If you don't know the type of electrical power that is supplied to your home, please consult your local power company.

⚠ **WARNING – Power Cord Safety**

When routing the AC power cord, do not place it near heavy foot traffic areas (e.g., hallways, doorways, and kitchen floors). Do not create a trip hazard with the power cord.

If your power cord's protective jacket begins to rip or fray, exposing the internal wiring, shielding, etc., disconnect it from the power source and discontinue use immediately. See the warranty section of this owner's manual.

⚠ **WARNING – Avoiding Electrical Shocks**

Do not operate your Monster THX Select Certified Subwoofer/Bass Module if liquid of any kind is spilled onto or inside the unit.

Do not operate your Monster THX Select Certified Subwoofer/Bass Module near rain or water that's spilled or openly exposed (patio, pool deck, etc.).

⚠ **WARNING – Storm Precautions**

In the event of a lightning storm, immediately disconnect your Monster THX Select Certified Powered Subwoofer/Bass Module from its power source.

⚠ **WARNING – Exposure To Heat**

Do not expose your Monster THX Select Certified Subwoofer/Bass Module to direct sunlight or place it near wall heaters, space heaters, or any enclosed space prone to temperature increase. Please see the section on installation for more information.

⚠ **WARNING – No User Serviceable Parts Inside**

If, for any reason, your Monster THX Select Certified Subwoofer/Bass Module is not operating properly, do not remove any part of the unit for repair. Unplug it and consult this owner's manual for warranty and service information.

⚠ **WARNING – Appropriate Voltage Setting**

Before operating your Monster THX Select Certified Speakers, ensure they are set to the appropriate voltage for your geographic area (120 or 230) by adjusting the switch on the backside of each unit.

GENERAL OPERATING PRECAUTIONS

⚠ **CAUTION – DO NOT OPERATE YOUR AMPLIFIER OR AV RECEIVER AT POWER OUTPUT LEVELS WHICH EXCEED THE RECOMMENDED POWER HANDLING CAPACITY.**

Your amplifier or AV receiver is designed to operate within a very specific power output rating (consult your equipment manufacturer's owner's manual for specifications). Regardless of what your amplifier/AV receiver power output rating is (large or small), if you exceed this rating (i.e., push the amp/receiver to output more power than it's specified to handle), the resulting distortion can cause damage to your Monster THX Select Certified speakers. Any damage to a Monster THX Select Certified speaker as a result of operating an amplifier/AV receiver beyond its specified power output is not covered under any Monster warranty.

⚠ **CAUTION – DO NOT UNDER-POWER YOUR MONSTER THX SELECT CERTIFIED SPEAKERS.**

If your amplifier/AV receiver has less power handling capacity than your Monster THX Select Certified speakers (e.g., your amp's power output rating is 100 watts and your Monster THX Select Certified speakers are rated at 200 watts) and you push the amp/receiver beyond its power output capacity, you may cause damage to the Monster THX Select Certified speakers. Any damage to a Monster THX Select Certified speaker as a result of operating an amplifier/AV receiver beyond its specified power output is not covered under any Monster warranty.

⚠ **CAUTION – DO NOT UNPACK SPEAKERS ON A HARD SURFACE.**

Be sure to unpack your Monster THX Select Certified home theater speakers and complete any required assembly on a padded surface such as carpeting, or use the enclosed packing materials to protect both your floor and the speaker finish from scratches.

INTRODUCTION

A Note from the Head Monster

Dear Enthusiast,

THANK YOU for purchasing my Monster® THX™ Select™ Certified speakers. With these speakers you will enjoy many hours of unforgettable movie and music experiences.

Personally, I love the excitement of going to see a movie, and the passion and dynamics of virtuoso music performances. Like many of you, I'm a critical listener and want my home theater to give me the same thrilling experience I enjoy at the movies or at a concert.

At Monster, we take pride in our commitment to making home audio the best it can be. And of course THX's reputation as the leader in audio certification for movie theaters is known world-wide. When you bring together two high-performance companies with a passion for audio you get incredible results. Listen for yourself. I think you'll agree that Monster THX Select Certified speakers sound amazing.

With a variety of Monster THX Select Certified speakers to choose from, you can mix and match to build a system that meets your budget while giving you the superior performance you desire from both movies and multi-channel audio formats like DVD-Audio and SACD.

This owner's manual shows you how to properly position and hook up your new speakers for the best possible Monster THX Select Certified home theater music experience. We've included high-performance setup information plus some Monster "secrets" on how to get the most out of your home theater.

I hope you enjoy your Monster THX Select Certified Speakers and have many years of happy listening.

Monsterously,

Noel Lee,
The Head Monster

TEN MONSTER HOME THEATER "SECRETS"

What You May Need to Know About Setting Up a Home Theater Music System for Dramatic, Thrilling Audio

SECRET NO. 1: Understanding the Difference Between a Home Theater for Movies and a Home Theater for Movies *and* Music

Movies – Traditionally, most home theaters featured surround channel speakers that produced sound both ambient and enveloping. Surround speakers were designed to be non-localized dipoles, producing an enveloping sound as required by the THX certification standard.

Music – For home theaters that can play multi-channel music (SACD & DVD-Audio titles), surround speakers are traditionally identical to the front speakers for greater precision. Because of the way producers and engineers mix multi-channel surround sound disks, musical instruments, voices and percussion may be placed anywhere on the 360° soundstage.

If a surround sound system is set up in the traditional manner for movies only, the multi-channel music suffers, because the correct speakers aren't used. Even today, many movies are produced with the capability of discrete point-specific audio in all channels.

SECRET NO. 2: Why Choosing Matched, Full-Range Speakers for All Channels Ensures the Best Possible Performance

Movies – If you've ever watched a movie on VHS tape or even an older DVD title, you may have noticed that some popular movie formats don't require high performance sound reproduction from the surround speakers. Audio that required full-frequency range was mixed to the front. Ambient, less demanding audio was mixed to the rear.

Today, many movies feature full-frequency sound for all channels—both ambient and discrete audio is distributed to the rear channels. DVD technology has allowed for advanced movie audio techniques where full-range, discrete audio is mixed to the rear channels. This advancement makes it necessary to have matched speakers, front and rear, for full-range high performance home theater.

Music – Traditionally, multi-channel music demanded very little from surround speakers. Most music was mixed from the perspective of a listener seated in front of the stage at a music venue (e.g., a concert hall or club), with only reflected ambient sound behind the listener. Producers and engineers now mix music with discrete audio from all directions, placing the listener in the middle of a studio or concert stage. Instruments are now placed all around you, with surround sound coming at you from all directions. These fantastic audio possibilities require full-range speakers for all channels.

SECRET NO. 3: The Center Channel is Not Just for Dialogue Anymore

Movies – Traditionally, the center channel speaker was often used solely for dialogue with the understanding that dialogue reproduction required a limited frequency range. However, when directors started to use complex sound effects that panned from side to side, the pitch change going through center channel that was not matched to the full-range left and right channels was distracting. Using a full-range center channel speaker will deliver the reference quality audio now available across the front soundstage.

Music – Traditionally, music producers and engineers often did not use a center channel—music was mixed so the listener would perceive a "phantom" center. Today, many producers mix to a discrete center channel with dramatic results. Some Dolby® music modes will force a center channel with a mix of left and right information. This is why the center channel for music also requires a matched, full-range speaker.

SECRET NO. 4: Place Front Speakers on an Arc, Not a Line

A common mistake made in home theater setups is to place the three front speakers on the same vertical plane with a large format television. The result: the center speaker is closer to the listener area than the left and right speakers, which results in time-misalignment. Although this can be corrected with the distance control in many AV receivers, the best solution is to physically place the speakers equidistant to the listener. For more information, please read speaker placement guidelines.

SECRET NO. 5: The Right Speaker Cable Lengths Provide Optimum Performance

Ideally, the speaker cable you use to hook-up all your speakers should to be cut to the same equal length to ensure correct time-alignment and optimum performance. To determine length, choose the speaker furthest from the amplifier/AV receiver, run the cable from the amp/receiver to the speaker, measure and cut. Then, cut equal lengths of cable for the remaining speakers.

If that is not practical for you, at the very least, make sure that the speaker cable length for the front three speakers is the same. Cable length for the rear channels should also match each other.

SECRET NO. 6: Why "LFE" and "Subwoofer" are Not Synonymous

Movies – A true LFE (Low Frequency Effects) channel on a DVD does not perform the same function as a traditional subwoofer. The LFE channel only outputs specific low frequency information from the .1 channel as indicated by the movie director for maximum artistic effect—adding impact to sound effects such as crashes and explosions.

Not every low frequency sound is directed to the LFE channel.

Because subwoofers output all low frequency audio information, having a subwoofer connected *only* to the LFE channel shortchanges your audience. Some directors may require a lot of low frequency information be sent to the LFE channel, but others do not.

Music – Subwoofers enhance the lowest octave of the music performed—the frequencies that cannot be reproduced by a full-range speaker. In a music system, this is typically not a dedicated LFE channel. Subwoofers are necessary to reproduce all low frequencies below the chosen crossover frequency.

The LFE channel is active only when the recording producer directs information to it. (Example: a kick drum or bass guitar.) Many of the first multi-channel recordings commercially available were produced with no LFE information. In fact, in the early days of SACD and DVD-Audio engineers rarely used the .1 channel. However, music enthusiasts would assume their subwoofers were malfunctioning, when in fact the subwoofer was connected only to the LFE. Today, engineers go out of their way to output information to the LFE channel.

SECRET NO. 7: Why You Should Use Four Subwoofers for Maximum Performance

It's often assumed that one subwoofer, tucked discretely in a corner, is sufficient for a typical home theater system. Unfortunately, the bass sound is unbalanced, and the subwoofer has to work very hard to push sufficient amount of air to create the desired effect.

Also, a single subwoofer system with the subwoofer tucked in the corner depends a lot on the power of sound waves reflected off the walls. When a significant portion of bass sound waves are reflected, indistinct, muddy bass is the result.

Many listeners may perceive some directionality in a single subwoofer system—no matter how powerful.

SECRET NO. 8: How Using Pink Noise Can Fine Tune Your Home Theater

You can purchase a pink noise generator, or a pink noise disk, at your local consumer electronics retailer or by shopping online. Some AV receivers also generate pink noise test tones. Pink noise is a type of white noise with equal energy at all frequencies, which is optimal when fine tuning a home theater. Whatever pink noise device you use, make sure to also use a dB (Sound Pressure Level or SPL) meter with it so you can balance your speaker and subwoofers to get the best left-to-right, front-to-back balance possible from your system.

SECRET NO. 9: Why 7.1 is Really 6.1

Many consumers believe that 7.1 multi-channel audio comes from seven discrete channels, plus the LFE.

Actually assume 7.1 channel audio is output from only 6 discrete channels. The left and right side surround channels are discrete, but the two rear speakers get their information from a single rear channel. Although the effect is spectacular, the term "7.1 surround" may lead some to believe incorrectly that there are 7 discrete channels.

SECRET NO. 10: How to Get All the Performance You Paid For: Invest In High Performance Cable and Power Management for Your Home Theater

The sound quality your home theater produces depends a lot on the quality of your speaker cables, audio interconnects, and the use of proper power management.

Clean Power™: Your Components Depend On It

AC power is dirty, unstable, and polluted, and may be subject to lightning and other surges which may damage (or destroy) your Home Theater electronics. Monster AVS 2000 Automatic Voltage Stabilizer controls voltage irregularities so you'll get stable power and enjoy maximum performance. Monster Home Theater HTPS 7000 PowerSource™ cleans AC power and protects connected components from surges and spikes. Together, these Monster Power products provide clean, stable AC power.

You also need proper power amplification. If you underpower your speakers, you lessen the home theater experience and risk damaging them. Monster Power Amplifiers provide sufficient power to drive full-range speakers for all channels. The MPA 3250 3-channel and MPA 2250 2-channel amplifiers are both built with independent power supplies for each channel, which output 250 watts continuous power per channel with all channels driven at 8 ohms (400 watts at 4 ohms).

Cable: The Final Component

Of course, stable, clean, and ample power is wasted if there isn't a clean audio signal. Choose the best possible cables for your source components—whether they be digital fiber optic or coax audio cables used for Dolby Digital surround sound, or six high-performance analog cables necessary for DVD-Audio and SACD multi-channel format connections. For maximum performance, we recommend the Monster® THX™ Ultra Series complete family of Home Theater audio, speaker and video connections.

Monster Cable® is the world's leading manufacturer of high performance audio, video and speaker cable. Monster made the first THX-certified cable for home theater audio, and is the only cable certified by the Imaging Science Foundation (I.S.F.).

Monsterous Tip: Be sure your video connections are component video or HDMI to ensure you get the best possible picture your equipment can deliver.

Build a Monsterous Home Theater

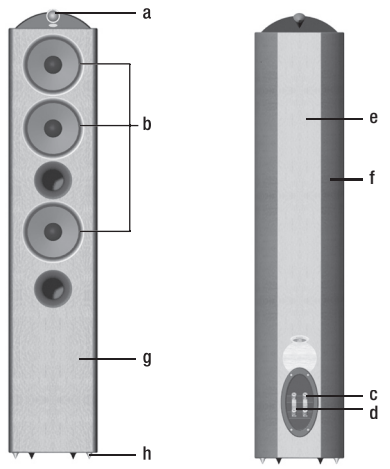
With Monster AC Power Conditioning and Stabilization, Monster Power Amplifiers, and all Monster AV and speaker cables you'll enjoy the cleanest possible sound with the clearest possible picture. With Monster Cable and Monster Power, you'll get all the performance you paid for.

MONSTER® THX™ SELECT™ CERTIFIED SPEAKERS SPECIFICATIONS

MONSTER® THX™ SELECT™ CERTIFIED TOWER SPEAKER 200
THX SL200-TWR

Product Features:

Every Monster THX Select Certified Speaker is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.



a. Time-aligned, neodymium magnet free-air tweeter
b. 3 rigid, responsive 7" Kevlar® mid-bass drivers with die-cast frames
c. 24k gold contact bi-wire capable binding posts
d. 24k gold contact, custom fitted jumper straps
e. Diffraction reducing narrow cabinet
f. Curvilinear (non-rectangular) shape
g. Beautiful hardwood veneer cabinet
h. Positioning spikes
• 3-way crossover with low-resistance components (not shown)

Technical Specifications:

CROSSOVER TYPE	3-Way
MAGNETICALLY SHIELDED	Yes
WOOFER 7" (18cm) KEVLAR®	2
MIDRANGE 7" (18cm) KEVLAR®	1
TWEETER 1" (2.5cm) NEODYMIUM MAGNET	1
SENSITIVITY (dB/W/m)	92
MINIMUM IMPEDANCE (Ohm)	3.4
FREQUENCY RESPONSE (Hz-kHz)	40Hz-22kHz
ENCLOSURE TYPE: BASS REFLEX	Yes
24 GOLD CONTACT BI-WIRE CAPABLE BINDING POST	Yes
POWER HANDLING	150 Watts RMS, 300 Watts Max @ 4 ohms

Application:

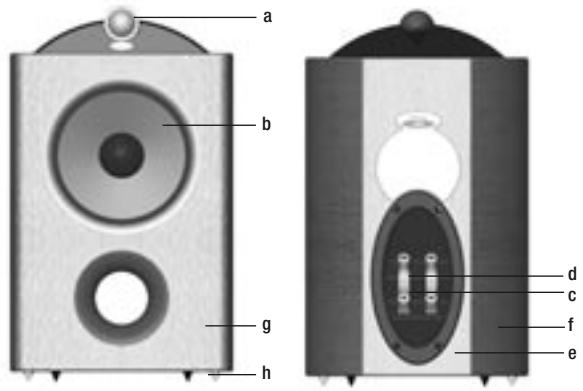
Left front or Right front speaker
Left rear or Right rear speaker

MONSTER® THX™ SELECT™ CERTIFIED MONITOR SPEAKER 100

THX SL100-MTR

Product Features:

Every Monster THX Select Certified Speaker is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.



a. Time-aligned, neodymium magnet free-air tweeter
b. Rigid, responsive 7" Kevlar® woofer mid bass driver with die-cast frames
c. 24k gold contact bi-wire capable binding posts
d. 24k gold contact, custom fitted jumper straps
e. Diffraction reducing narrow cabinet
f. Curvilinear (non-rectangular) shape
g. Beautiful hardwood veneer cabinet
h 24k gold contact conductive spikes, which provide electrical connection through Tower Bass Module 200
• 2-way crossover with low-resistance components (not shown)

Technical Specifications:

CROSSOVER TYPE	2-WAY
MAGNETICALLY SHIELDED	Y
WOOFER 7" (18cm) KEVLAR®	1
TWEETER 1" (2.5cm) NEODYMIUM MAGNET	1
SENSITIVITY (dB/W/m)	89
MINIMUM IMPEDANCE (Ohm)	3.4
FREQUENCY RESPONSE (Hz-kHz)	55Hz-20kHz
ENCLOSURE TYPE: BASS REFLEX	Y
24 GOLD CONTACT BI-WIRE CAPABLE BINDING POST	Y
POWER HANDLING	100 Watts RMS, 200 Watts Max @ 4 ohms

Application:

Left front and Right front speaker on speaker stand

Left rear and Right rear speaker on speaker stand

Left front and Right front speaker, paired with Monster THX Select Certified Tower Bass Module 200

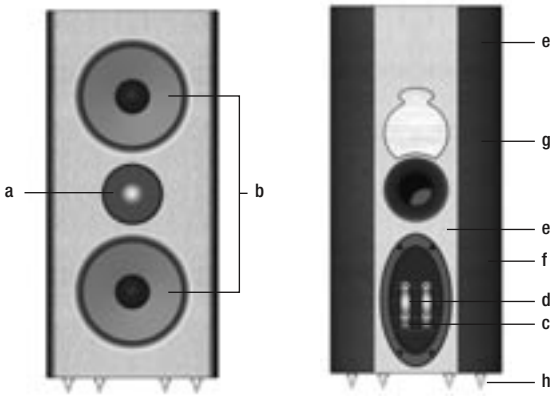
Left rear and Right rear speaker, paired with Monster THX Select Certified Tower Bass Module 200 (Not recommended as Center Channel speaker)

MONSTER® THX™ SELECT™ CERTIFIED MONITOR SPEAKER 200

THX SL200-MTR

Product Features:

Every Monster THX Select Certified Speaker is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.



a. 1" Silk tweeter with low resonance frequency
b. 2 rigid, responsive 7" Kevlar® mid-bass drivers with die-cast frames
c. 24k gold contact bi-wire capable binding posts
d. 24k gold contact, custom fitted jumper straps
e. Diffraction-reducing narrow cabinet
f. Curvilinear (non-rectangular) shape
g. Beautiful hardwood veneer cabinet
h. 24k gold contact conductive spikes, which provide electrical connection through Tower Bass Module 200
• 2-way crossover with low-resistance components (not shown)

Technical Specifications:

CROSSOVER TYPE	2-WAY
MAGNETICALLY SHIELDED	Y
WOOFER 7" (18cm) KEVLAR®	2
TWEETER 1" (2.5cm) SILK DOME	1
SENSITIVITY (dB/W/m)	92
MINIMUM IMPEDANCE (Ohm)	3.4
FREQUENCY RESPONSE (Hz-kHz)	50Hz-22kHz
ENCLOSURE TYPE: BASS REFLEX	Y
24 GOLD CONTACT BI-WIRE CAPABLE BINDING POST	Y
POWER HANDLING	150 Watts RMS, 300 Watts Max @ 4 ohms

Application:

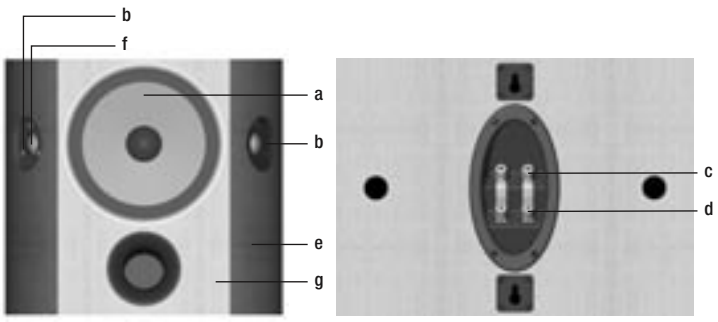
Left front or Right front speaker on speaker stand
Left rear or Right rear speaker on speaker stand
Left front or Right front speaker, paired with Monster THX Select Certified Tower Bass Module 200
Left rear or Right rear speaker, paired with Monster THX Select Certified Tower Bass Module 200
Center Channel Speaker

MONSTER® THX™ SELECT™ CERTIFIED DIPOLE SURROUND SPEAKER 100

THX SL100-DSR

Product Features:

Every Monster THX Select Certified Speaker is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.



a. Rigid, responsive 7" Kevlar® mid-bass with die-cast frame

b. 2 - 1" silk dome tweeters with low resonance frequency

c. 24k gold contact bi-wire capable binding posts

d. 24k gold contact, custom-fitted jumper straps

e. Curvilinear (non-rectangular) shape

f. Angled driver positioning

g. Beautiful hardwood veneer cabinet

• 2-way crossover with low-resistance components (not shown)

Technical Specifications:

CROSSOVER TYPE	2-WAY
MAGNETICALLY SHIELDED	Y
WOOFER 7" (18cm) KEVLAR®	1
TWEETER 1" (2.5cm) SILK DOME	2
SENSITIVITY (dB/W/m)	88
MINIMUM IMPEDANCE (Ohm)	6.4
FREQUENCY RESPONSE (Hz-kHz)	55Hz - 20kHz
ENCLOSURE TYPE: BASS REFLEX	Y
24 GOLD CONTACT BI-WIRE CAPABLE BINDING POST	Y
POWER HANDLING	100 Watts RMS, 200 Watts Max @ 8 ohms

Application:

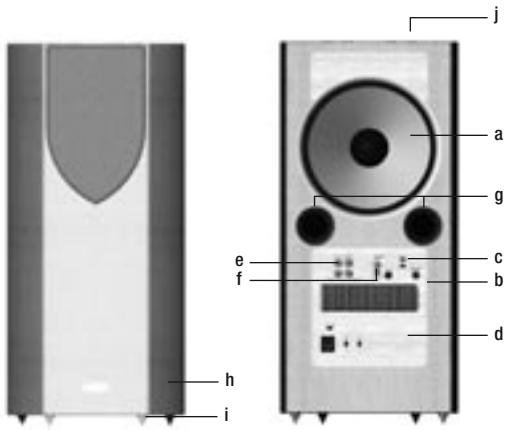
Left and Right Surround Channels, for home theater systems primarily used for movies (not multi-channel music formats such as SACD and DVD-Audio)

MONSTER® THX™ SELECT™ CERTIFIED TOWER BASS MODULE 200

THX SL200-PSM

Product Features:

Every Monster THX Select Certified Speaker is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.



a. Lightweight, rigid 12" cone
b. Powerful 200 Watt internal amplifier
c. Phase control switch
d. Automatic "Power On" circuitry
e. 24k gold contact binding posts for speaker level signal
f. 24k gold contact line-level input from LFE, plus output for connection to additional subwoofers
g. Large-diameter dual bass reflex tubes
h. Beautiful curvilinear hardwood veneer cabinet
i. 24k gold contact positioning spikes for stability
j. 24k gold contact spike rests, which provide electrical connectivity with the Monitor Speaker 100 or 200

Technical Specifications:

MAGNETICALLY SHIELDED	Y
ACTIVE WOOFER 12" (30cm) WITH AMPLIFIER 200 Watt	1
AMPLIFIER POWER (Watt)	200
MINIMUM IMPEDANCE (Ohm)	4
FREQUENCY RESPONSE (Hz-kHz)	20Hz-200kHz
ENCLOSURE TYPE: BASS REFLEX	Y
24 GOLD CONTACT BI-WIRE CAPABLE BINDING POST	Y

Application:

Front and/or Rear full-range speakers when combined with Monster THX Select Certified Monitor 100 or 200

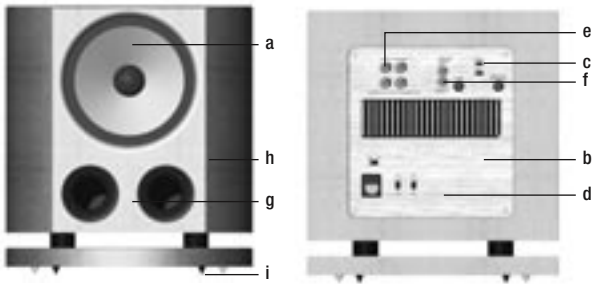
Standalone subwoofer connected to low-level outputs in systems with 4, 2 or 1 subwoofer configurations

MONSTER® THX™ SELECT™ CERTIFIED SUBWOOFER 200

THX SL200-SW

Product Features:

Every Monster THX Select Certified Speaker is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.



a. Lightweight, rigid 12" cone
b. Powerful 200 Watt internal amplifier
c. Phase control switch
d. Automatic "Power On" circuitry
e. 24k gold contact binding posts for speaker level signal
f. 24k gold contact line-level input from LFE, plus output for connection to additional subwoofers
g. Large-diameter bass reflex tube
h. Beautiful hardwood veneer cabinet
i. 24k gold contact positioning spikes for stability

Technical Specifications:

MAGNETICALLY SHIELDED	Y
ACTIVE WOOFER 12" (30cm) WITH AMPLIFIER 200 Watt	1
AMPLIFIER POWER (Watt)	200
MINIMUM IMPEDANCE (Ohm)	4
FREQUENCY RESPONSE (Hz-kHz)	20-350
ENCLOSURE TYPE: BASS REFLEX	Y
24 GOLD CONTACT BI-WIRE CAPABLE BINDING POST	Y

Application:

Standalone subwoofer in systems using 4, 2 or 1 subwoofer configurations

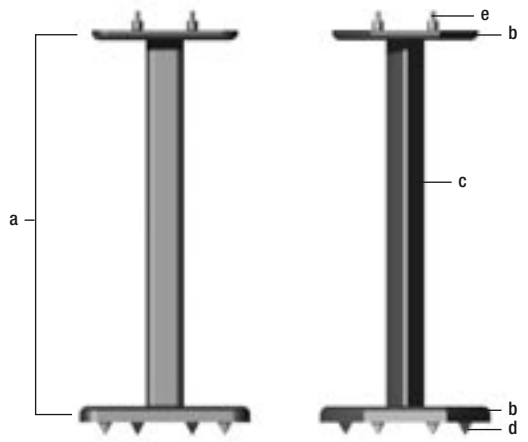
MONSTER® THX™ SELECT™ CERTIFIED SPEAKER STANDS

THX SL-STAND 100
THX SL-STAND 200

Product Features:

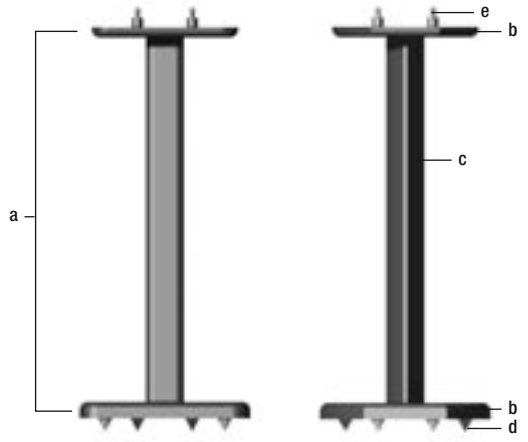
Every Monster THX Select Certified Speaker Stand is made from the highest quality materials with advanced technologies and unique features that ensure maximum performance and aesthetic appeal.

Stand for Monitor 100



a. 27" tall for optimal tweeter height
b. Beautiful hardwood veneer top and bottom
c. Aluminum center supports
d. Copper positioning spikes for stability
e 24k gold contact spike rests to securely receive speaker
• Designed specifically for the Monitor Speaker 100 (not shown)

Stand for Monitor 200



a. 23" tall for optimal tweeter height
b. Beautiful hardwood veneer top and bottom
c. Aluminum center supports
d. Copper positioning spikes for stability
e 24k gold contact spike rests to securely receive speaker
• Designed specifically for the Monitor Speaker 200 (not shown)

Application:

For Monster THX Select Certified Monitor Speakers 100 or 200

SPEAKER PLACEMENT GUIDELINES

WHETHER YOU USE YOUR HOME THEATER TO ENJOY MOVIES, MUSIC, OR BOTH, WE HAVE A MONSTER® THX™ SELECT™ CERTIFIED SPEAKER CONFIGURATION TO MAXIMIZE YOUR LISTENING EXPERIENCE

Choosing the right speaker configuration and placement depends on how you use your home theater. Is your system a one-stop entertainment hub where you watch your favorite movies and enjoy music in multi-channel SACD or DVD-Audio? Or, is your AV system primarily for watching movies?

Put simply, movies and music place different demands on audio reproduction.

Film producers typically strive for an enveloping environment, knowing that the viewer's attention is focused on the screen in front of them. Although a few film formats use point-source specific audio for the rear surround channels, many do not. For example, THX movie theater standards specifically encourage an enveloping sound best provided by multiple speakers along the wall of the theater.

High-resolution audio formats such as DVD-Audio and SACD let you enjoy your favorite music in stunning multi-channel surround sound. The sound quality is light years beyond the conventional CD. Each format uses all five channels as discrete, point-source specific audio sources. Any instrument can be placed anywhere in a 360° soundfield for maximum flexibility and creativity. Audio producers enjoy making dramatic use of the almost limitless options provided by multi-channel music formats.

The following speaker configuration and placement guidelines will help you chose the configuration that works best for you.

NOW THAT BREATHTAKING HOME THEATER SOUND IS WITHIN YOUR GRASP, IT'S NO WONDER YOU PROBABLY WANT TO GET UP AND CONNECT YOUR MONSTER THX SELECT CERTIFIED SPEAKERS IMMEDIATELY AND GET ON WITH THE SHOW. HOWEVER, THERE ARE SOME GUIDELINES TO CONSIDER BEFORE YOU BEGIN. CONSIDER THE FOLLOWING TO GET THE MOST OUT OF YOUR HIGH PERFORMANCE HOME THEATER.

Before You Connect Your Speakers

- Turn off all of your audio components.
- Read the owner's manual for all of your audio components, especially the A/V receiver, processor, and/or power amplifiers.
- Read this manual and have it available.

General Guidelines

Monster THX Select Certified Speakers are ported in the rear of each speaker and therefore should never be placed in a bookshelf or other enclosed environment. Doing so will degrade the sonic performance.

When placing in your room, we recommend that each speaker be at least one foot from any room boundary (with exception of the Dipole Surround Speaker 100 which is mounted to the wall). This will help ensure proper sonic performance.

Installing Spikes

Monster THX Select Certified speakers come with spikes to separate the speakers and subwoofers from cabinets and floors to help maintain proper sonic performance. The spikes should be installed in the bottom of each speaker prior to placement.

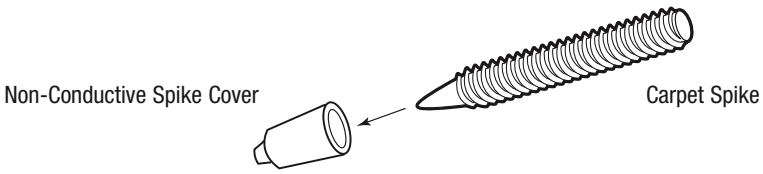
To install, simply twist the spikes (clockwise) into the four threaded inserts on the bottom of each speaker. The spikes are adjustable so you can raise or lower the height of the speaker. Make sure that all spikes are at the same level when installing to avoid any rocking of the speaker.

Installing Non-Conductive Spike Covers

Monster THX Select Certified speakers include non-conductive spike covers for certain installations.

You can connect your Monster THX Select Certified Monitor 100 or 200 to your Monster THX Select Certified Tower Bass Module 200 to create a full-range speaker with optimum performance. You can make this connection without additional speaker cable by inserting the conductive spikes on the Monitor 100 or 200 into the conductive spike rests on the Tower Bass Module 200. For this configuration, do not use the non-conductive spike covers.

If your desired hookup of the Tower Bass Module 200 uses the line-level connection to the LFE output on your receiver or processor, then you need to connect your Monitor 100 or 200 speaker to your amplifier/receiver directly using a separate speaker cable. You also need to install the non-conductive spike covers on the Monitor 100 or 200 spikes to prevent signal from the speaker cable being transferred to the Tower Bass Module 200 via the conductive spikes and spike rests.

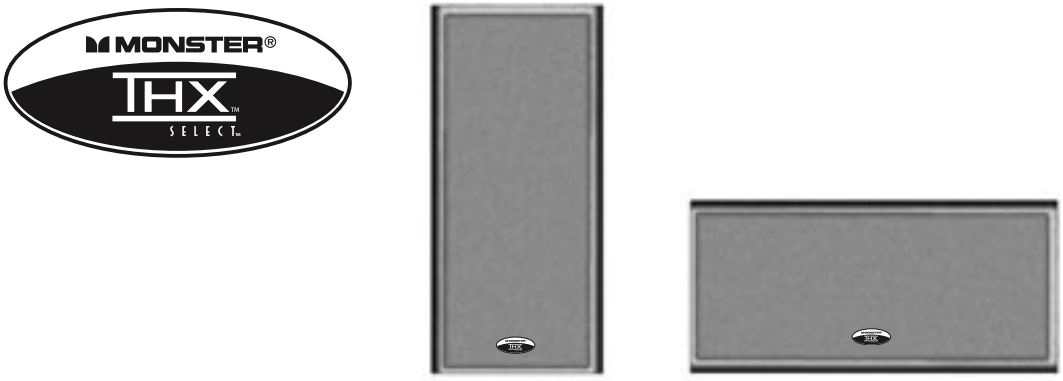


⚠ **Caution: Prevent Damage to Furniture Surfaces**

The non-conductive spike covers should be used on the spikes when placing speakers on shelves or hardwood floors to prevent damage to the surface finish. Also, do not drag speakers across any floors or carpets. It is possible to damage both the floor and the speakers by doing this.

Installing the THX Brand Epoxy Labels

Your THX Select Certified Monster home theater speakers come standard with magnetic THX brand epoxy labels to complete the speaker look and communicate your enthusiasm for high-quality home theater audio. To affix, simply remove the label from the plastic packaging and place on the front bottom center of your speaker grille.



Front Epoxy Placement

Center Epoxy Placement

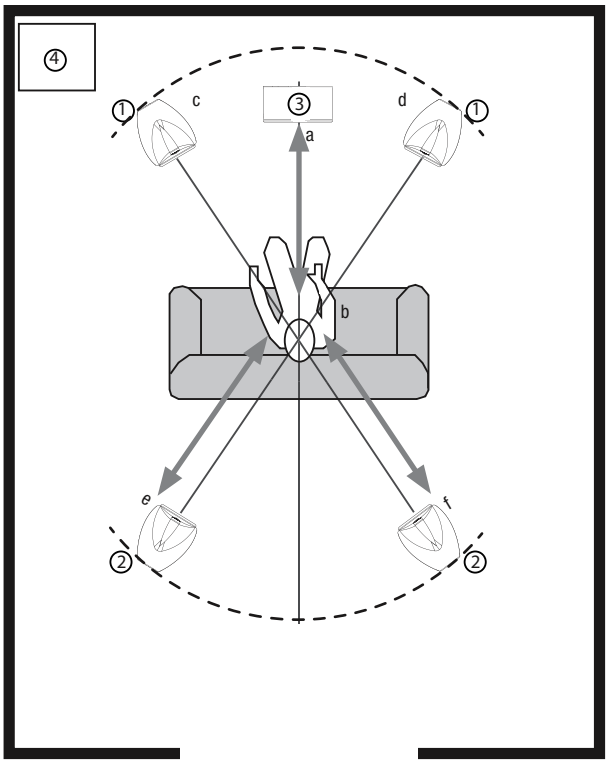
Placement of Front Channel Speakers

To maintain proper sonic performance during music and movie playback, proper positioning of the front speakers is crucial. When placed properly, your speakers will form a “sweet spot” at the main listening position. Forming the sweet spot correctly will allow for an accurate soundstage during music and movie playback.

Directions:

1. Place the center channel speaker (3) in position first (usually determined by mounting method; i.e. furniture shelf, top of TV, etc.). Then measure from the front of the center channel speaker to the nominal position of ears in center listening position (a to b).
2. Place the front (1) and back (2) pair of left and right speakers equidistant from the center channel to the listening position (a to b = b to c, b to e = b to f, etc.)
3. Slightly toe-in each speaker so that they are pointing at the ears of the person seated in the center of the listening position. The three front channel speakers should sit on an arc (dotted line) where each speaker is the same distance to the listener.

Monsterous Tip: For best sonic performance and maximum accuracy placing your speakers, use masking tape to mark off the measurements and centerline to each speaker.



Physical Placement of Center Channel Speaker

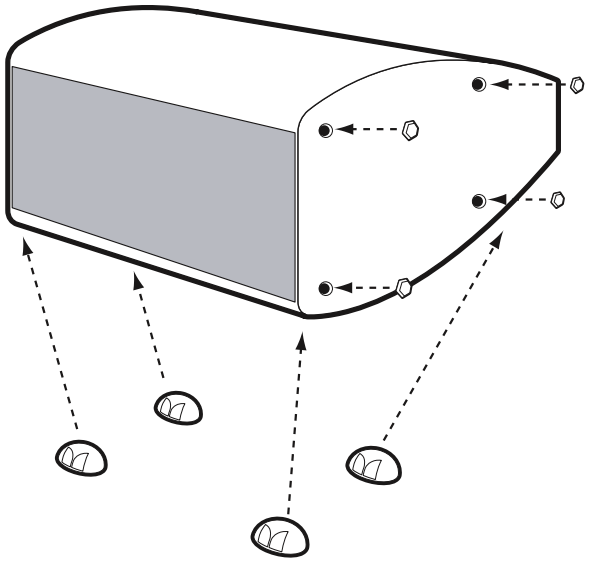
All Monitor 200 Speakers come with four plugs and four rubber feet for horizontal mounting.

Rubber Foot
4 pc

Plug
4 pc

Insert the 4 plugs in the holes at the end of the speaker to cover the conductive spike screw holes.

Arrange the four rubber feet as shown in the diagram below.



Connect the speaker cable to the Monitor 200.

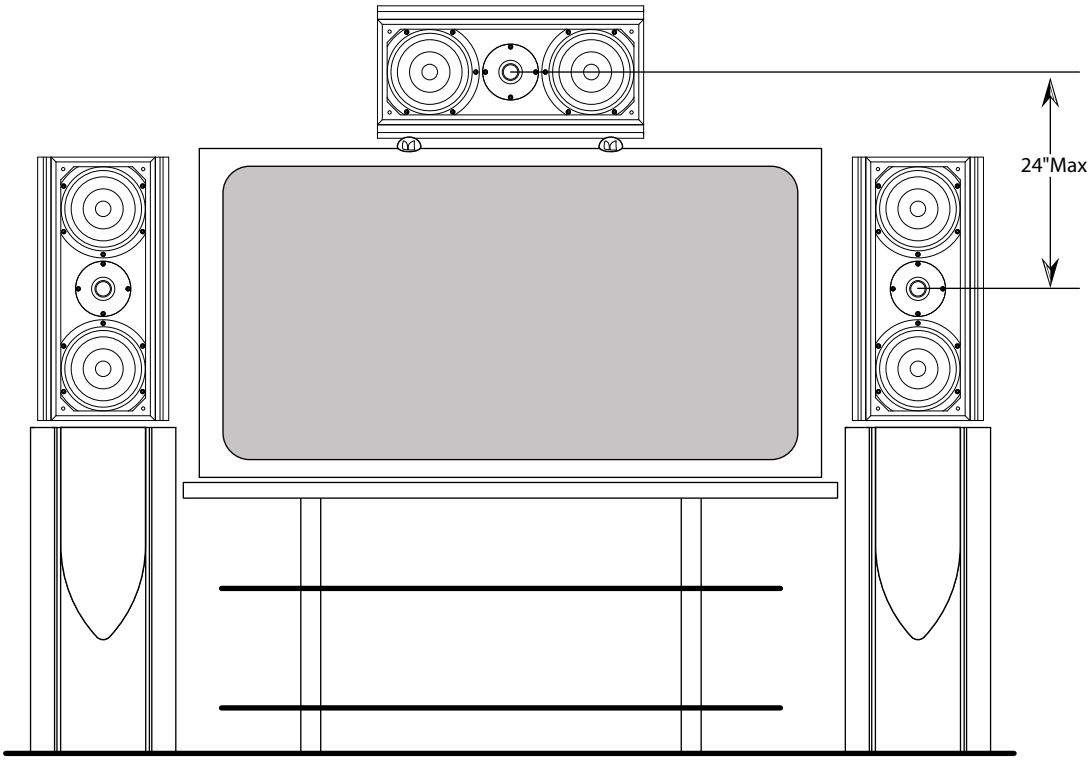
Set the speaker directly on the rubber feet horizontally with drivers facing the listening area. Make sure the speaker is level left-to-right, and angle the speaker so that it points to the main listening area.

IMPORTANT:
Do not let the Monitor 200 wooden cabinet touch the furniture directly—unwanted audio resonance will be the result.

Make sure that there is a minimum of 6" of clearance behind the center channel speaker to allow the rear port to function properly. Also, avoid positioning the center channel speaker so that the speaker cable or other interconnects would be pulled across the rear port.

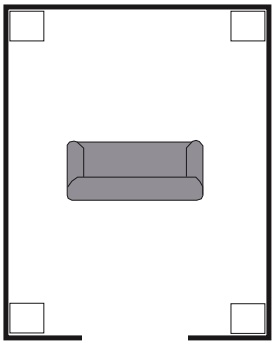
Vertical Placement of Center Channel Speaker

Proper vertical positioning of the center channel speaker is important for a wide and deep soundstage. When positioning, we recommend that the centerline of the center channel speaker not be more than 24 inches from the centerline of the left and right channel speakers to meet THX specifications (see illustration). If this is not possible, place speakers so that they are as close to 24" as possible. The center channel speaker may be placed above or below the video monitor.

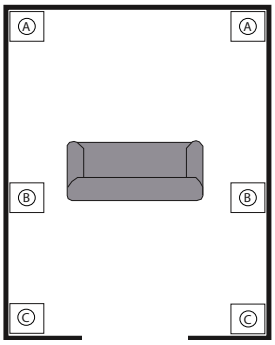


Placement of Subwoofers

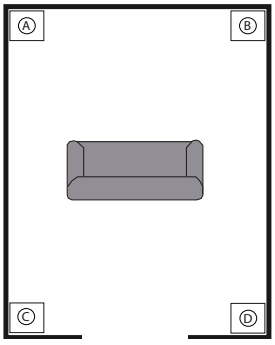
If you have chosen to set up a **four-subwoofer system**, the best locations for the subwoofers are the four corners of the room. This configuration will provide the best possible bass response from both movies and music.



If you have chosen to set up a **two-subwoofer system**, the best locations for the subwoofers are the two corners at the front of the room (Option A), on either side of the listening area (Option B) or in the two corners at the back of the room (Option C).



If you have chosen to set up a **one-subwoofer system** (4), placement of the subwoofer will be determined by the qualities of the room. The corners of the room work best, left front corner (Option A), right front corner (Option B), left back corner (Option C) or right back corner (Option D). Experiment with locations until the bass response is clean and does not sound overpowering.



Placement of Surround Speakers

Surround speaker placement is as simple as setting up your front left and right channel speakers. Use the measurement you recorded when placing your front speakers (a to b on page 14), and use that same distance to place your surround speakers on an arc around the sweet spot (e to f on page 14).

If you are using dipole speakers (2), they are designed to be mounted on the side walls of the room. Each dipole speaker should be mounted to the side of the sweet spot, at a height of 5' to 6'. (see illustrations below).

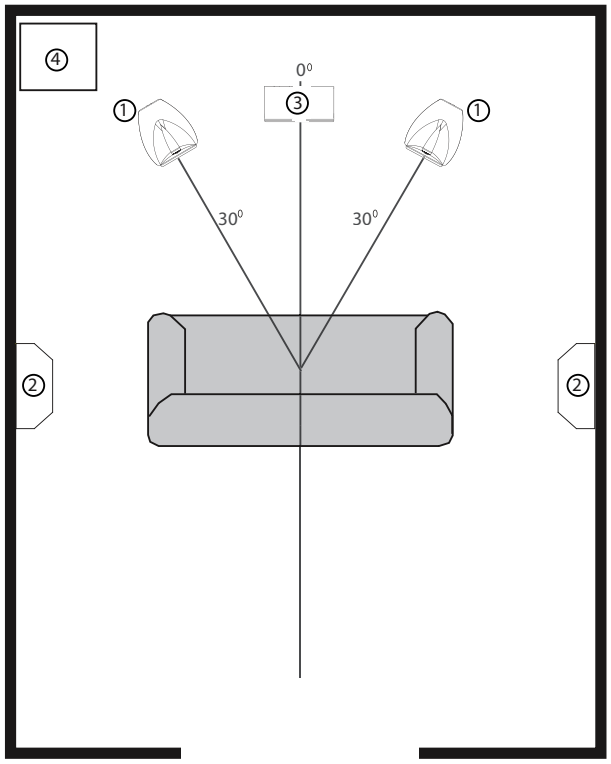


Fig. 1

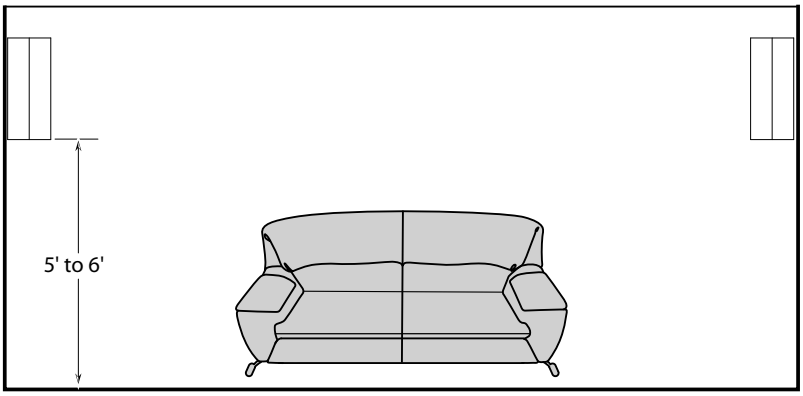


Fig. 2

Wall-Mounting of Dipole Surround Speakers

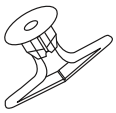
WARNING: While mounting your Dipole Speaker is not a complicated process, it does require a certain level of expertise. DO NOT attempt mounting without adequate tools and knowledge. If you do self-mount, you will need a second person to assist. Monster® and THX™ assume no responsibility for any damage to property or personal injury while mounting a Dipole 100 Speaker.

Each Dipole 100 Speaker comes with the following included hardware:

Foam Spacers
4 pc

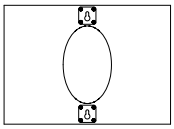
Long Phillips Screws
2 pc

Paper Template
1 pc



Drywall Anchors
2 pc

Short Phillips Screws
2 pc



Directions:

1. Locate a wall stud behind your drywall. We recommend using an electronic stud-finder (available at hardware stores and home centers) to help ensure accurate location of stud. If no stud is available, the Dipole Speaker can still be mounted using the included drywall anchors.

2a. If a wall stud is available: tape the included paper template onto your wall with the illustrated screw holes aligned with your wall stud. Be sure to use masking tape to protect wall paint. Drill a 1/8" pilot hole through each of the 2 illustrated screw holes into the drywall and wall stud (this will also ease installation of screws). Remove paper template.

Insert the 2 long Phillips screws into the pre-drilled holes and install with a Phillips screwdriver.

2b. If wall stud is unavailable: tape the included paper template onto your wall where desired. Be sure to use masking tape to protect wall paint. Drill a 1/8" pilot hole through each of the 2 illustrated screw holes into the drywall and wall stud and insert drywall anchor (may need to tap in with a hammer). Remove paper template.

Insert the 2 short Phillips screws into the drywall anchors and install with a Phillips screwdriver.

3. Determine the number of spacers needed (single or stacked) by measuring the amount of space between the wall and the top of the screw. Remove the protective paper and adhere the spacers on the backside of the speaker, approximately 1 1/2" from the edge of the speaker side and centered vertically. Adhere a second spacer on top of the first if the distance warrants it.

4. Connect your speaker wires to the back of the speaker (see the Speaker Connections section in this manual).

5. With the help of a second person to assist, carefully lift the speaker to the wall and place the inset mounting holes located on the backside onto the screws.

6. Enjoy your new speaker.

Congratulations—your new speaker is now mounted. The high-gloss finish offers protection, but avoid contact with hard surfaces to avoid damage and scratches. To clean, dust often to remove abrasive particles and build-up from surfaces. For deeper cleaning, slightly dampen a clean, lint-free cloth with water and wipe down, ensuring no moisture remains on any wood surfaces. Don't polish excessively—only two to three times a year to avoid build-up should be needed.

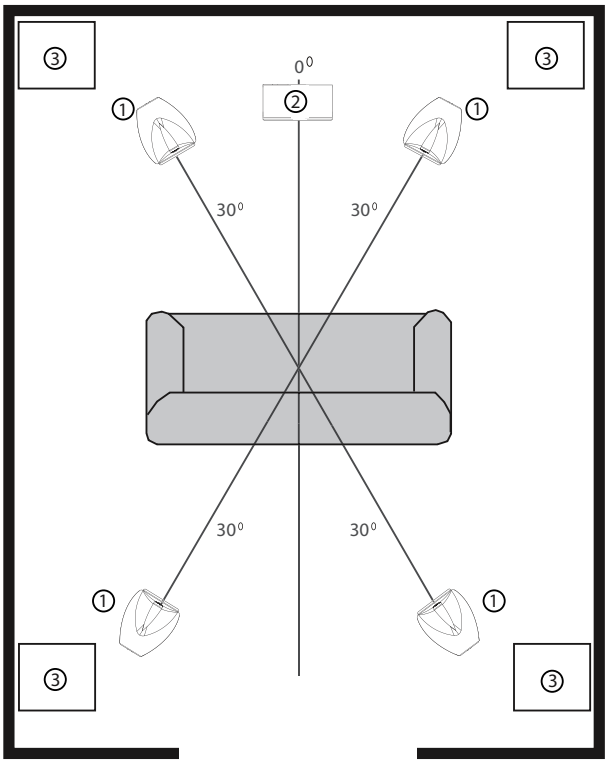
RECOMMENDED SPEAKER CONFIGURATIONS AND PLACEMENT FOR HOME THEATER MUSIC AND HOME THEATER (MOVIES ONLY) SYSTEMS.

No. 1: “Best” Home Theater Music System

The “Best” Home Theater Music system configuration will have four full-range towers for reproduction of point-source specific audio in a 360° multi-channel music soundfield, one center channel speaker, and four subwoofers for the best possible bass reproduction.

Components

Front and Rear Left / Right ①	4 – THX SL200-MTR or 4 – THX SL200-PSM
Center ②	1 – THX SL200-MTR Turned Sideways
Subwoofers ③	4 – THX SL200-PSM or 4 – THX SL200-SW



Connections

Front and Rear Left / Right ①	Speaker Level to THX SL200-PSM / Internal Pins to THX SL200-MTR
Center ②	Speaker Level to THX SL200-MTR
Subwoofers ③	Low Level to THX SL200-PSM or THX SL200-SW

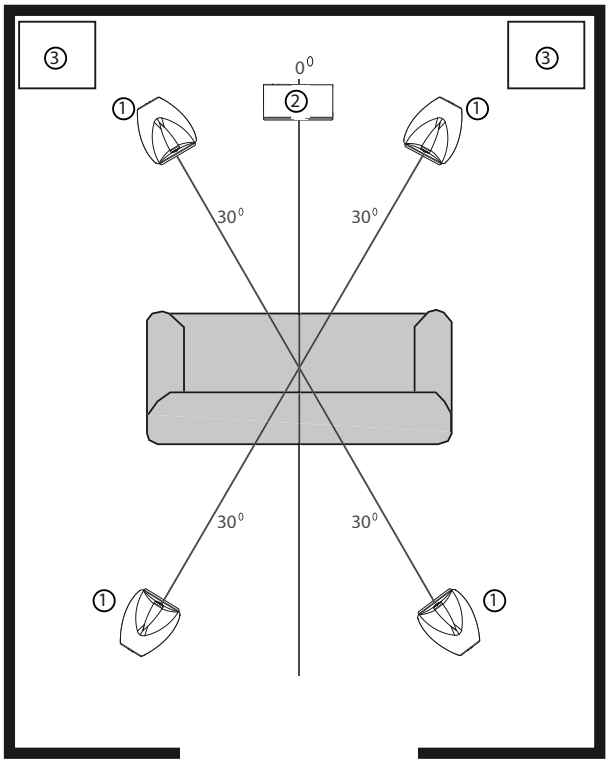
See Speaker Connections section for more detail on making connections.

No. 2: “Better” Home Theater Music System

The “Better” Home Theater Music system configuration will have four full-range towers for reproduction of point-source specific audio in a 360° multi-channel music soundfield, one center channel speaker, and two subwoofers at the front corners for tight, clean bass.

Components

Front and Rear Left / Right ①	4 – THX SL200-MTR or 4 – THX SL200-PSM
Center ②	1 – THX SL200-MTR Turned Sideways
Subwoofers ③	2 – THX SL200-PSM or 2 – THX SL200-SW



Connections

Front and Rear Left / Right ①	Speaker Level to THX SL200-PSM / Internal Pins to THX SL200-MTR
Center ②	Speaker Level to THX SL200-MTR
Subwoofers ③	Low Level to THX SL200-PSM or THX SL200-SW

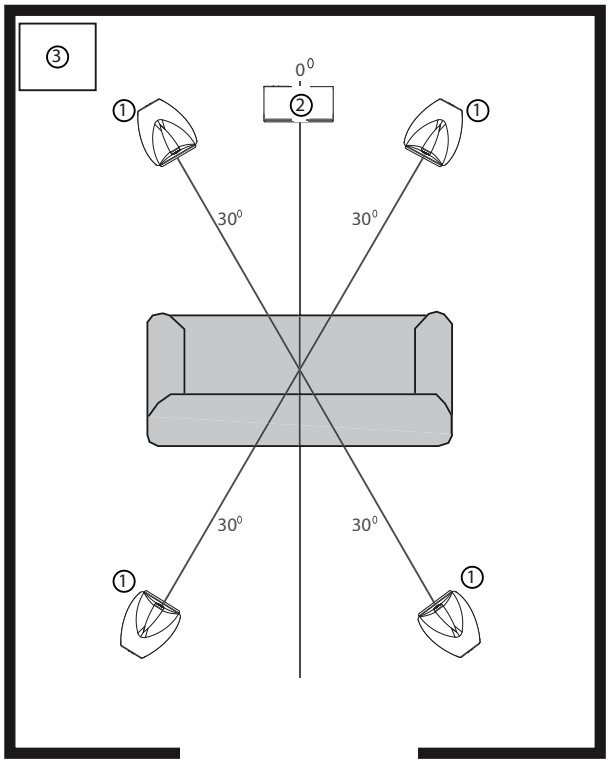
See Speaker Connections section for more detail on making connections.

No. 3: “Good” Home Theater Music System

The “Good” Home Theater Music system configuration will have four full-range towers for reproduction of point-source specific audio in a 360° multi-channel music soundfield, one center channel speaker, and a single subwoofer for low bass reproduction.

Components

Front and Rear Left / Right ①	4 – THX SL200-MTR or 4 – THX SL200-PSM
Center ②	1 – THX SL200-MTR Turned Sideways
Subwoofers ③	1 – THX SL200-PSM or 1 – THX SL200-SW



Connections

Front and Rear Left / Right ①	Speaker Level to THX SL200-PSM / Internal Pins to THX SL200-MTR
Center ②	Speaker Level to THX SL200-MTR
Subwoofers ③	Low Level to THX SL200-PSM or THX SL200-SW

See Speaker Connections section for more detail on making connections.

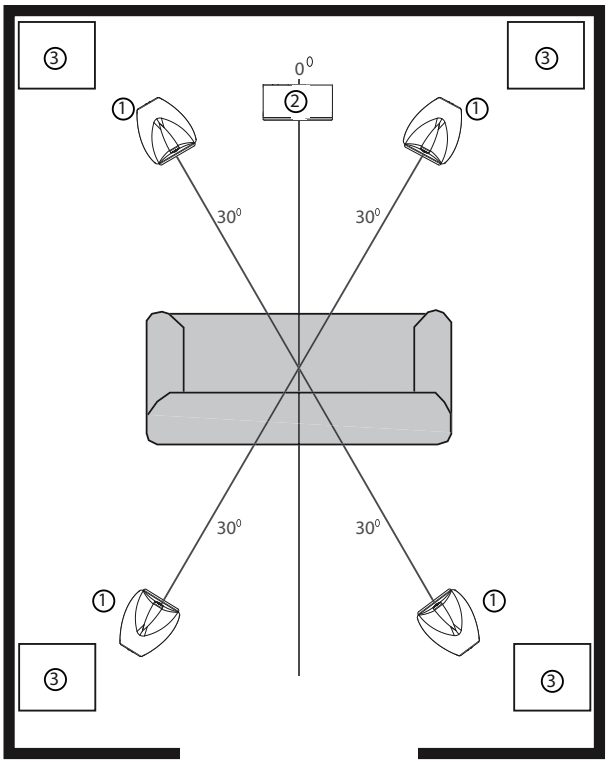
No. 4: “Best” Home Theater (Movies Only) System

A movie-specific system may be configured many different ways with multiple choices for bass and LFE output.

The ultimate performance system configuration will have four full-range towers, one center channel speaker and four subwoofers at the front corners for tight, clean bass.

Components

Front and Rear Left / Right ①	4 – THX SL200-TWR
Center ②	1 – THX SL200-MTR Turned Sideways
Subwoofers ③	4 – THX SL200-PSM or 4 – THX SL200-SW



Connections

Front and Rear Left / Right ①	Speaker Level to THX SL200-TWR
Center ②	Speaker Level to THX SL200-MTR
Subwoofers ③	Low Level to THX SL200-PSM or THX SL200-SW

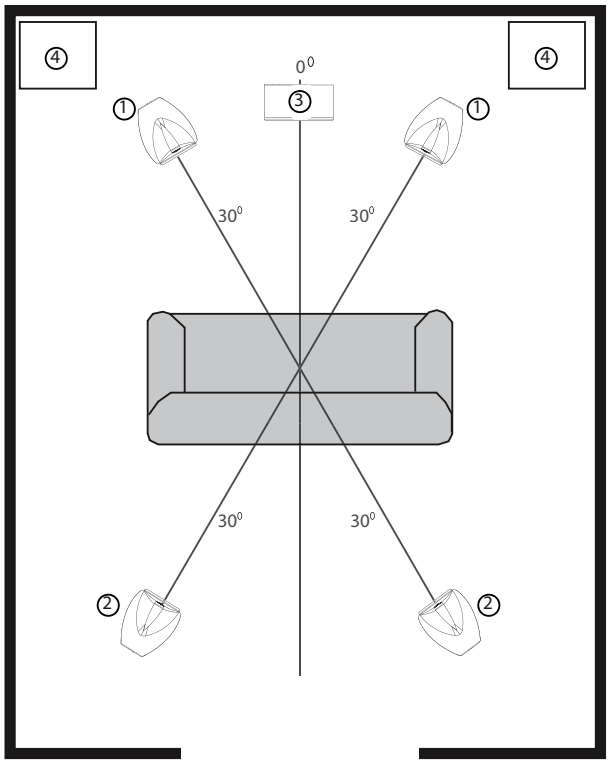
See Speaker Connections section for more detail on making connections.

No 5: “Better” Home Theater (Movies Only) System

The “Better” Home Theater (Movies only) system configuration will have two full-range towers, one center channel speaker, two monitor speakers on stands, and two subwoofers at the front corners for tight, clean bass.

Components

Front Left / Right ①	2 – THX SL200-TWR
Rear Left / Right ②	2 – THX SL100-MTR on Stands
Center ③	1 – THX SL200-MTR Turned Sideways
Subwoofers ④	2 – THX SL200-PSM or 2 – THX SL200-SW



Connections

Front Left / Right ①	Speaker Level to THX SL200-TWR
Rear Left / Right ②	Speaker Level to THX SL100-MTR
Center ③	Speaker Level to THX SL200-MTR
Subwoofers ④	Low Level to THX SL200-PSM or THX SL200-SW

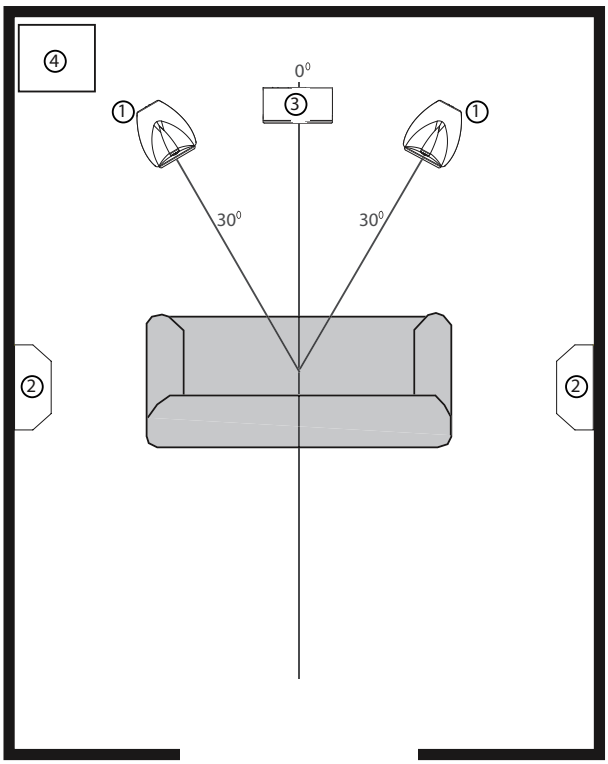
See Speaker Connections section for more detail on making connections.

No. 6: “Good” Home Theater (Movies Only) System

The “Good” Home Theater Music system configuration will have two full-range towers, one center channel speaker, two wall-mounted dipole speakers, and a single subwoofer for low bass reproduction.

Components

Front Left / Right ①	2 – THX SL200-TWR
Rear Left / Right ②	2 – THX SL100-DSR Mounted on Side Walls
Center ③	1 – THX SL200-MTR Turned Sideways
Subwoofers ④	1 – THX SL200-PSM or 1 – THX SL200-SW



Connections

Front Left / Right ①	Speaker Level to THX SL200-TWR
Rear Left / Right ②	Speaker Level to THX SL100-DSR
Center ③	Speaker Level to THX SL200-MTR
Subwoofers ④	Low Level to THX SL200-PSM or THX SL200-SW

See Speaker Connections section for more detail on making connections.

SPEAKER CONNECTIONS

MONSTER® THX™ SELECT™ CERTIFIED SPEAKER SYSTEMS CAN BE CONNECTED IN A VARIETY OF WAYS. WHILE MOST OF THE CONNECTIONS ARE STRAIGHTFORWARD, SEVERAL VARIATIONS ARE A BIT MORE CHALLENGING. PLEASE READ THIS ENTIRE SECTION FIRST BEFORE CONNECTING YOUR SPEAKERS.

Before You Begin:

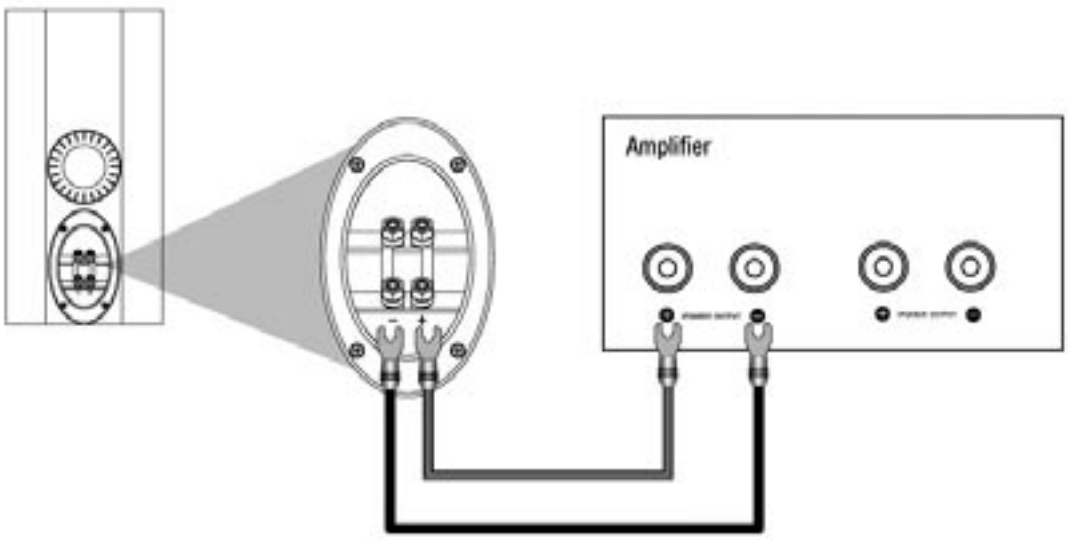
- Turn off all of the audio components in your system.
- Read through your audio components owner's manuals to confirm their connection and setup procedures.
- When making connections, follow all polarity markings to ensure proper operation of each speaker: Positive (+) to Positive (usually Red), and Negative (–) to Negative (usually Black).
- If you bi-wire your speakers, remove the jumper straps connecting the terminals. Failure to do so can result in damaged speakers and components.
- Have the cables available for the type of connections you have chosen.

Connecting Your Tower, Monitor and Dipole Surround Speakers

Your speakers can be connected in a variety of ways. You may chose the standard speaker connection, the bi-wire speaker connection, or you may connect your Monitor 100 or 200 speakers to your Bass Module 200 using the conductive spikes. The following instructions and illustrations will guide you through each connection type.

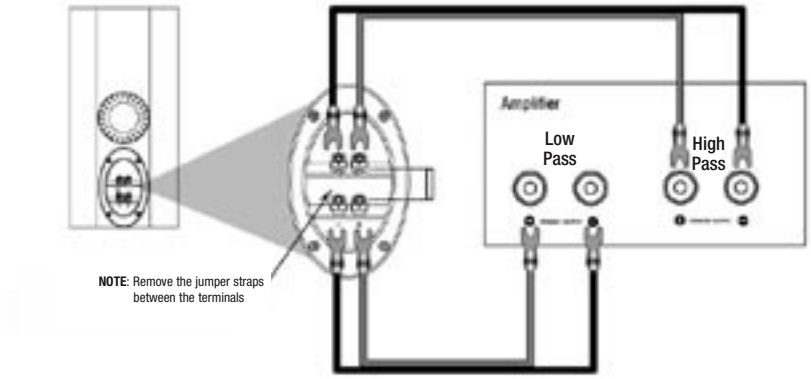
Single Cable Connection

Connect the positive and negative terminals to the correct terminal on the amplifier. Leave the jumper straps in place between the terminals.



Bi-Wire / Bi-Amp Connection

If you wish to use separate amplifier channels for the highs and mids of your Monster THX Select Certified Speakers, remove the jumper straps between the terminals and connect the high-pass and low-pass connections between the appropriate positive and negative terminals on both bi-amp and speaker.

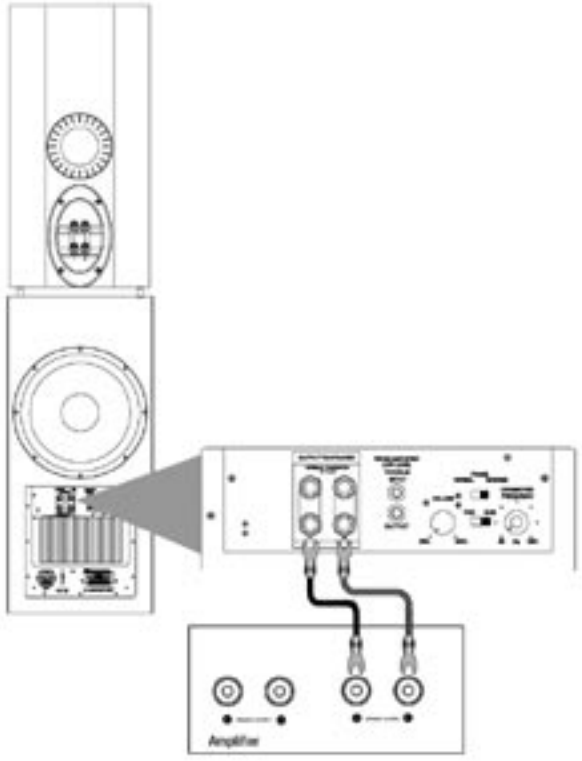


Connecting Your Monitor 100 or 200 Speakers to Your Tower Bass Module 200

Your Monitor 100 or 200 speakers can receive audio signal through special conductive spikes when placed on top of a Monster THX Select Certified Tower Bass Module 200 already connected to the amplifier/AV receiver via speaker terminals (as shown).

When using the conductive spikes for connection, double-check the spikes to make sure they are secure for the best possible connection.

NOTE: **Connection through the conductive spikes and spike rests will not work if the Bass Module is connected via the subwoofer low level input. In this case, the Monitor 100 or 200 must then be connected directly to the amplifier.**



Proper Use of Non-Conductive Spike Covers

If placing the Monitor 100 or 200 on the Tower Bass Module 200 when using a line level connection, the non-conductive spike covers must be placed over the Monitor 100 and 200 spikes. This prevents the signal from the Monitor 100 and 200 being sent to the Tower Bass Module 200.

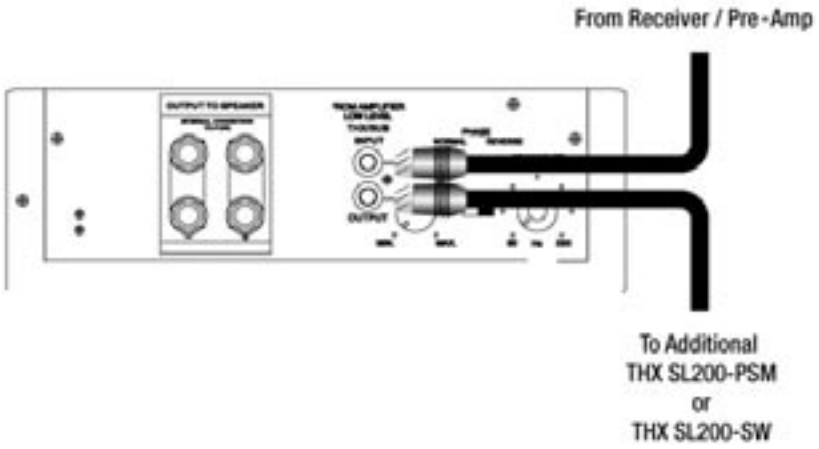
Connecting Your Tower Bass Module 200 and Subwoofer 200

The Tower Bass Module 200 and Subwoofer 200 can be connected in several ways. If your AV receiver has a THX-certified processor, the subwoofers should be connected using the line level connection to the subwoofer output. This connection maintains the benefits of THX certification.

Using Line Level Subwoofer Connections

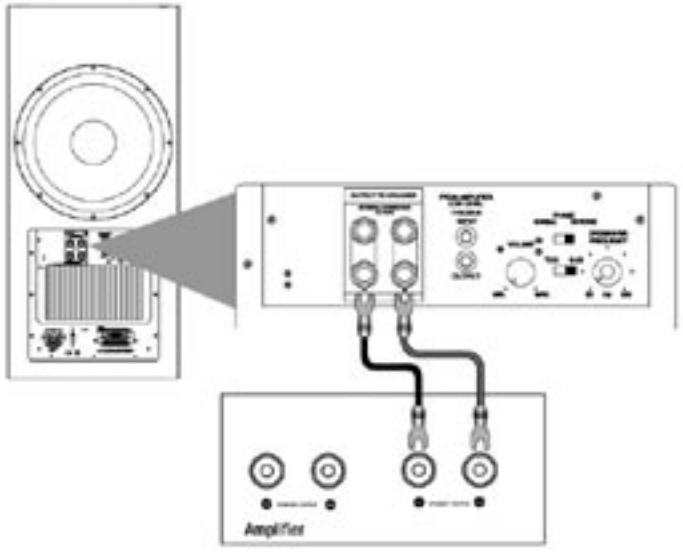
Using the subwoofer output from your AV receiver is the best way to connect your subwoofers and bass modules used as subwoofers. With this connection you can choose to use the internal crossover control on the subwoofer or the subwoofer crossover control in your AV receiver. If you choose to use the control in your AV receiver, set the THX/Subwoofer selection switch to THX.

For your convenience, a subwoofer line level “output” is included to make connecting multiple subwoofers easier.



Using Speaker Level Connections

The Monster THX Select Tower Bass Module 200 and the Monster THX Select Certified Subwoofer 200 can also be connected using speaker cable. Use this connection if your AV receiver does not have a subwoofer output.



Connecting Your Monster THX Select Certified Tower Bass Modules 200

The Tower Bass Module 200 can act as either a woofer for a full-range tower speaker (when paired with a Monitor 100 or 200), or as a standalone subwoofer.

If your Bass Module 200 is intended to be used as part of a full-range speaker connection with a Monitor 100 or 200, please refer to page 31 for output matching instructions.

If your Tower Bass Module 200 is intended to be used as a standalone subwoofer, you may connect it one of two ways: via “line level” or “speaker-level” inputs. Line level input is the preferred way for the best possible bass performance. Please refer to “Using Line Level Connections” or “Using Speaker Level Connections” on page 28 for instructions.

Installing Speaker Grilles

Your Monster THX Select Certified Speakers come standard with removable grilles that require installation before operation. These grilles conceal speaker components and cables from view for an aesthetic, organized arrangement.

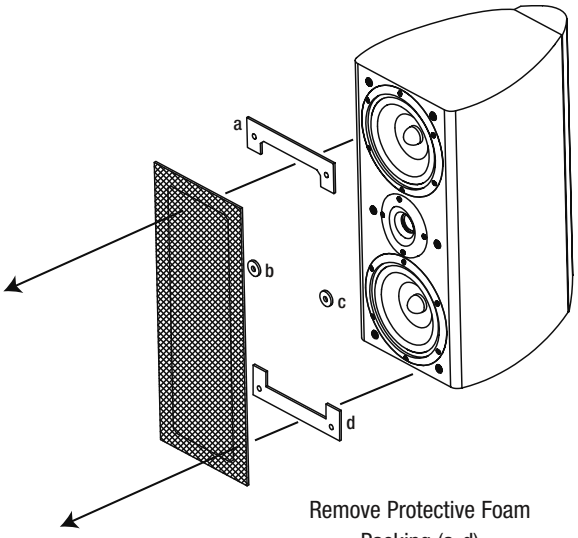
Front Grille Installation

For Dipole Surround Speaker 100 and Subwoofer 200

1. Remove the front grille from plastic packing and place on a soft, flat surface.
2. Install the grille onto the speaker by inserting the attached plastic pegs into the pre-drilled peg holes on the front of the speaker and snapping into place.

For Monitor Speaker 100, Monitor Speaker 200, Tower Speaker 200 and Tower Bass Module 200

1. Remove the front grille from plastic packing and place on a soft, flat surface.
2. Remove the protective foam packing from the 6 metal pegs on the front grille.
3. Install the grille onto the speaker by inserting the attached metal pegs into the pre-drilled peg holes on the front of the speaker and snapping into place.



Remove Protective Foam Packing (a-d)

Rear Grille Installation

For Monitor Speaker 100, Monitor Speaker 200, Tower Speaker 200 and Tower Bass Module 200

1. Remove the rear grille from plastic packing and place on a soft, flat surface.
2. Connect any necessary cables between your home theater system and your speaker.
3. Install the grille onto the speaker by inserting the attached plastic pegs into the pre-drilled peg holes on the back of the speaker and snapping into place.

SPEAKER TUNING, CALIBRATION & BALANCING

THE FOLLOWING STEPS ALLOW FOR PROPER CALIBRATION OF YOUR MONSTER THX SELECT CERTIFIED SPEAKER SYSTEM. TO COMPLETE THE CALIBRATION OF THE SYSTEM YOU WILL NEED THE OWNER'S MANUAL INCLUDED WITH YOUR AV RECEIVER. ALL RECEIVERS ARE DIFFERENT AND THE STEPS FOR SETUP AND CALIBRATION SHOULD BE FOLLOWED CLOSELY.

Subwoofer Levels and Balancing

The first step in calibration is to set and balance the subwoofers and/or Bass Modules, especially important in systems containing two or more subwoofers and/or Bass Modules. Be sure to set the output of your subwoofers and/or Bass Modules first before calibrating the rest of the system.

NOTE: **Each Monster THX Select Certified subwoofer and Bass Module has a "THX" selection switch—this switch will bypass the gain and crossover controls for the low level when set to the THX position. It is recommended for systems that will play movies only have the switch set to the THX position to simplify system calibration. Proceed to "Connecting Your Tower Bass Module 200 and Subwoofer 200" Section if your subwoofers or Bass Modules are set to the THX position.**

Switch Settings

When using multiple subwoofers the mode switch is used to maintain proper signal to all subwoofers if the internal gain is bypassed (THX Setting). The "SUB" position does not have multiple settings as the gain control will maintain proper signal.

Set the THX switch to the correct setting to get proper output levels.

"THX" - Use for a single subwoofer

"THX2" - Use for dual subwoofers with both subwoofers set to this position

"THX4" - Use for four subwoofers with all subwoofers set to this position

Subwoofers

1. Turn off the amplifiers/AV receiver or disconnect monitor speakers.
2. Set the subwoofer output level of your AV receiver to 0.
3. Turn on one of the subwoofers.
4. Start with the crossover control and bass gain control at the 12 o'clock position.
5. Play a 2-channel music cut and turn up the volume of your AV receiver to a comfortable level.
6. Slowly turn the crossover knob counter clockwise until vocals are muted or are no longer heard.
7. Turn off the subwoofer and repeat steps 2-6 for any additional subwoofer in your system.
8. After calibration is completed in your AV receiver, listen to some music and movies cuts and adjust gain levels accordingly.

Powered Subwoofer Bass Modules

FOLLOW THESE STEPS TO ADJUST THE OUTPUT OF YOUR POWERED SUBWOOFER BASS MODULES TO MATCH MONSTER THX SELECT CERTIFIED MONITOR 100 OR MONITOR 200 SPEAKERS IF MODE SWITCH IS SET TO "SUB". THIS MUST BE DONE PRIOR TO ADJUSTING THE LEVELS WITHIN YOUR AV RECEIVER.

1. Disconnect Monitor speakers from Bass Modules.
2. Set the output in your AV receiver for the channel you are adjusting to "LARGE."
3. Turn on one of the Bass Modules.
4. Start with the crossover control and bass gain control at the 12 o'clock position.
5. Play a 2-channel music cut and turn up the volume of your AV receiver to a comfortable level. If adjusting a Bass Module being used on a rear channel, you will want to play a multi-channel music cut or play the 2-channel cut in a surround music mode.
6. Slowly turn the crossover knob counter clockwise until vocals are muted or are no longer heard.
7. Reconnect the Monitor speaker for that Bass Module.
8. Listen to the balance between the bass and mid bass-high frequencies and adjust the gain and crossover controls until tight bass is heard at a balanced level to high frequencies.
9. Turn off the Bass Module and repeat steps 2-7 for any additional Bass Module in your system.
10. After all the Bass Module output levels are balanced, you can adjust all channels in your AV receiver. Make sure to reconnect the Monitor speakers and turn on amplifiers/AV receiver.

SYSTEM CALIBRATION AND FINE TUNING

For the best possible performance, your AV receiver needs to be calibrated and the system fine tuned. Follow the instructions included with your AV receiver on how to calibrate your system.

Fine Tuning

The four steps necessary to properly fine tune your system with Monster THX Select Certified Speakers are, in order:

1. Phase Correction (Polarity)
2. Levels
3. Distance
4. Equalization

Phase Correction (Polarity)

First, verify the correct polarity of all speakers. If one speaker is out of phase, it may be difficult to catch—but phase effects on high performance audio are critical. Any speakers out of phase will affect directionality, soundstage and bass impact, distort ambiance, and dull the impact of your favorite music and movie audio.

Triple-check all speaker cables for correct polarity. To accurately check polarity, Monster recommends the use of an electronic polarity checker to verify that speakers all have the same polarity.

Levels

Setting output levels is crucial for the optimal performance from your Monster THX Select Certified speaker system. Follow these guidelines and the owner's manual included with your AV receiver.

- Select a manual test tone if available.
- Sitting in the sweet spot (central listening position), hold a dB meter (commonly found in electronics specialty stores) in front of you facing upwards with the mic about ear level.
- Adjust each channel output until 85 dB is reached on the dB meter.
- If the dB meter jumps around or the sound is not quite right, listen to music and movie cuts and adjust the levels accordingly.

Distance

Setting speaker distance to your AV receiver is crucial for proper performance. Measure the distance to all speakers accurately and set your AV receiver accordingly.

Equalization

Although there is no such thing as a perfect room, with proper tuning you can make any room sound good. Some rooms have "room nodes" which cancel the response of even the best speaker.

Monster recommends running a modified "Auto mode" equalization. If available on your equipment, run the auto-equalization routine then fine tune it by ear (some auto-modes make a room sound too bright). If you're not sure how to perform this procedure and you are using good speakers, just equalize for mid-bass or skip the "Auto Mode" altogether.

SPEAKER SPECIFICATIONS

	Frequency Response	Sensitivity	Power Handling (MAX)	Impedance	Amplifier Power
THX					
Monitor 100	55Hz - 20KHz	89 dB	200W	4	N/A
Monitor 200	50Hz - 20KHz	92 dB	300W	4	N/A
Dipole 100	55Hz - 22KHz	88 dB	200W	8	N/A
Tower 200	40Hz - 22KHz	92 dB	300W	4	N/A
Bass Module 200	20Hz - 350Hz	N/A	N/A	4	200W
Subwoofer 200	20Hz - 350Hz	N/A	N/A	4	200W

	Quantity				
	7" Driver	1" Silk	10" Driver	12" Driver	15" Driver
THX					
Monitor 100	1	1			
Monitor 200	2	1			
Dipole 100	1	2			
Tower 200	3	1			
Bass Module 200				1	
Subwoofer 200				1	

CARE AND MAINTENANCE

Your Monster THX Select Certified Speakers are made with a hardwood veneer and should be cared for like fine furniture. Please observe the following:

- Dust regularly with a soft, lint-free cotton cloth.
- Never use solvents, harsh chemicals, or abrasive cleaners.
- Keep speakers out of direct sunlight.

By caring for your Monster THX Select Certified Speakers, you will be able to enjoy them for many years to come.

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